

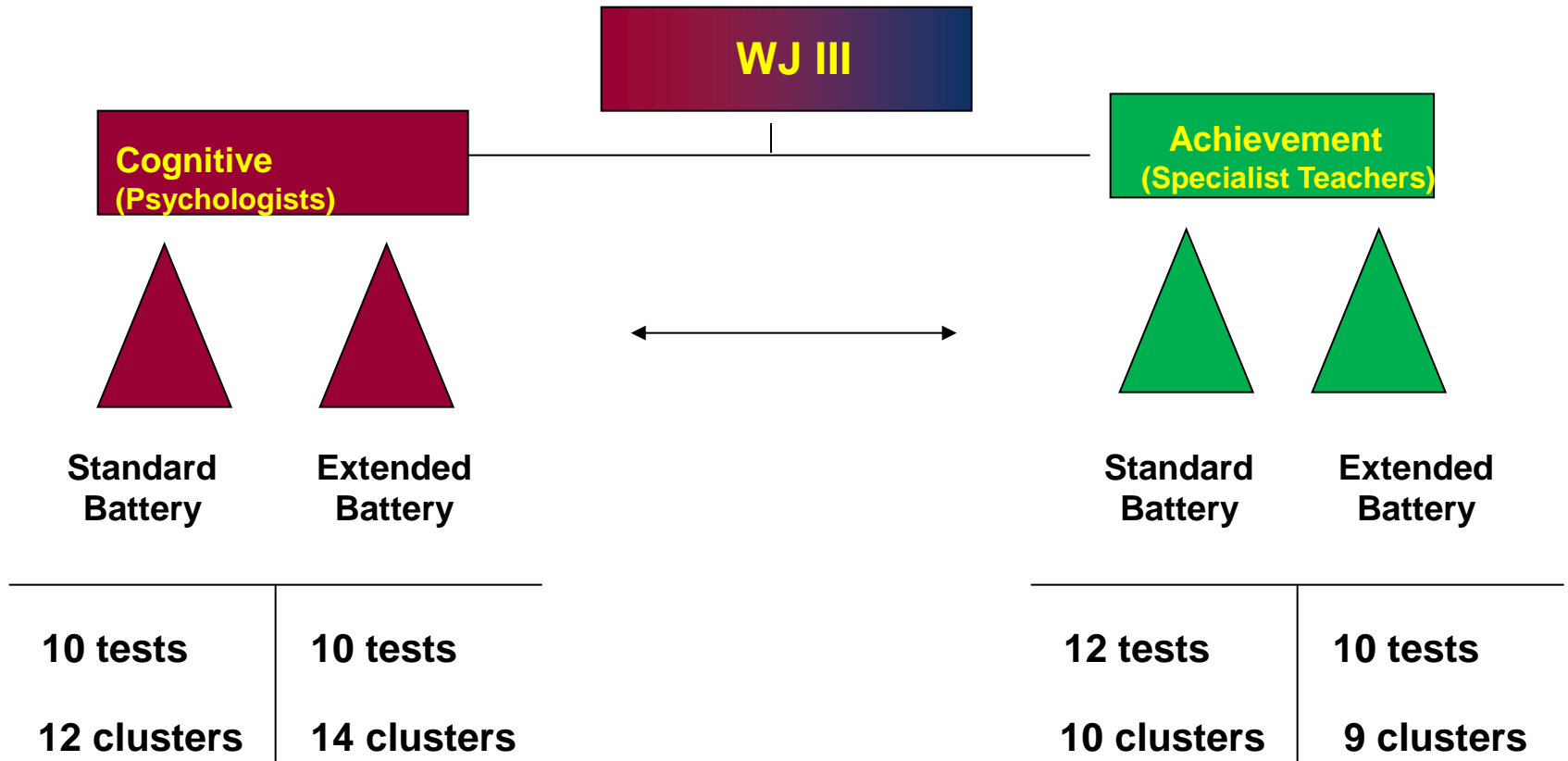


WOODCOCK JOHNSON THIRD EDITION TESTS OF ACHIEVEMENT

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Psychological Assessments Australia
SPA Conference, Perth
September 2015



WJ III



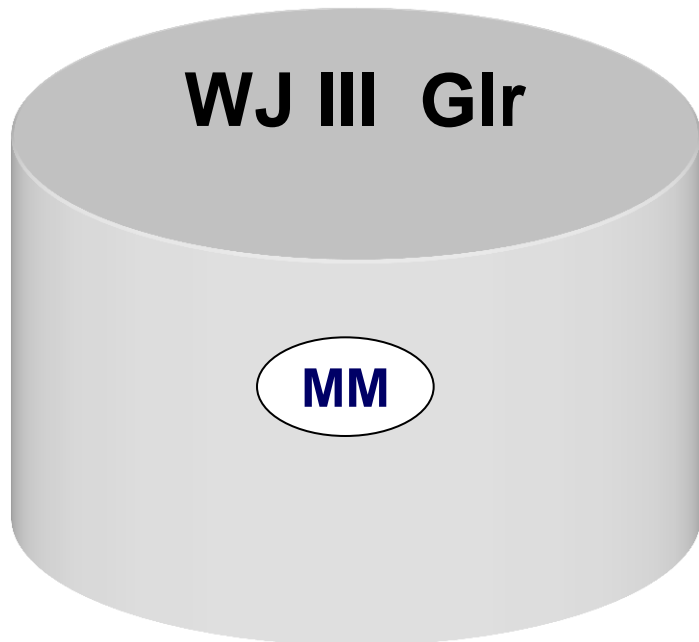
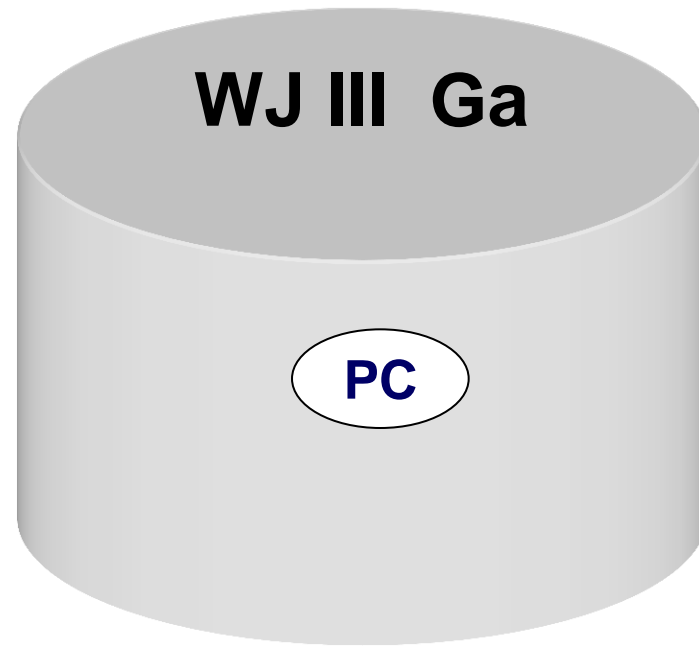
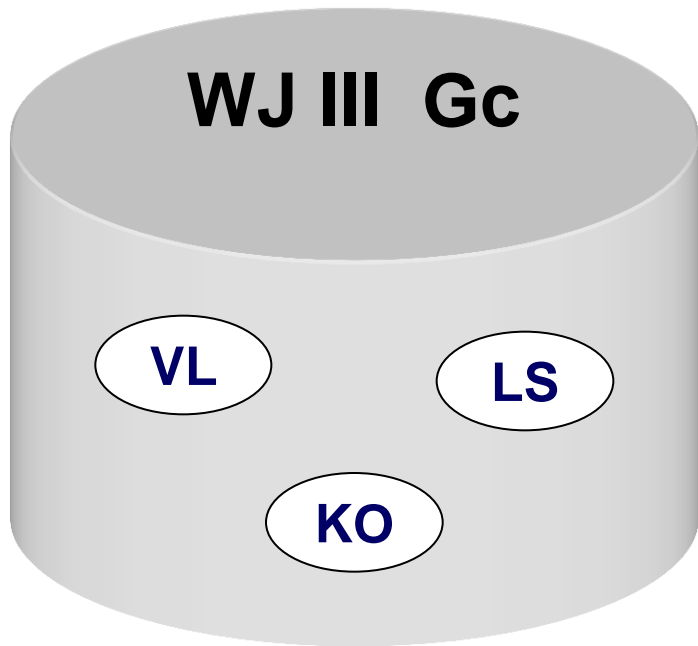
Organisation of 22 Achievement Tests

Standard Battery

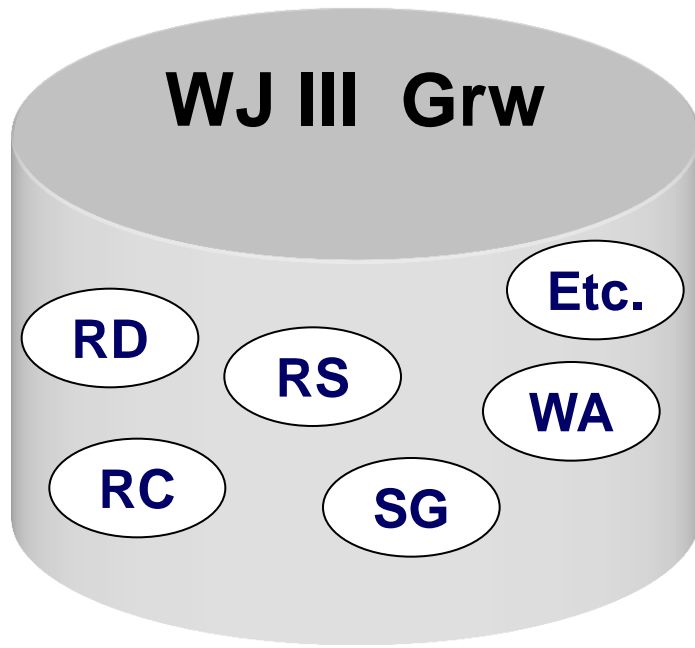
Letter-Word Identification
Reading Fluency
Passage Comprehension
Story Recall
Understanding Directions
Calculation
Maths Fluency
Applied Problems
Spelling
Writing Fluency
Writing Samples
Story Recall-Delayed
Handwriting Legibility Scale

Extended Battery

Word Attack
Reading Vocabulary
Picture Vocabulary
Oral Comprehension
Quantitative Concepts
Editing
Academic Knowledge
Spelling of Sounds
Sound Awareness
Punctuation and Capitalisation



The WJ III Achievement Battery includes additional measures of Gc (Oral Language tests), Ga (Auditory Processing), and Glr (Long-term storage and retrieval)



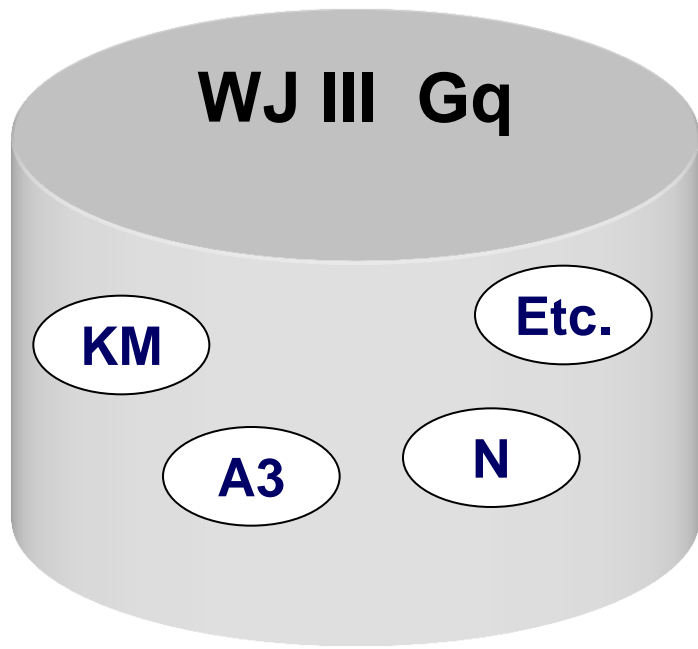
- The breadth and depth of a persons acquired store of declarative and procedural reading and writing skills and knowledge.

- Includes both basic skills (e.g., reading and spelling of single words) and the ability to read and write complex connected discourse (e.g., reading comprehension and the ability to write a story).

Practical division

Grw-Reading (*Grw-R*)

Grw-Writing (*Grw-W*)



- Ability to manipulate numeric symbols and to reason procedurally with quantitative information and relations
- Store of quantitative declarative and procedural knowledge
- Math achievement and knowledge

Mathematical Knowledge (KM): Range of general knowledge about mathematics. Not the performance of mathematical operations or the solving of math problems.

Math Achievement (A3): Measured (tested) mathematics achievement.

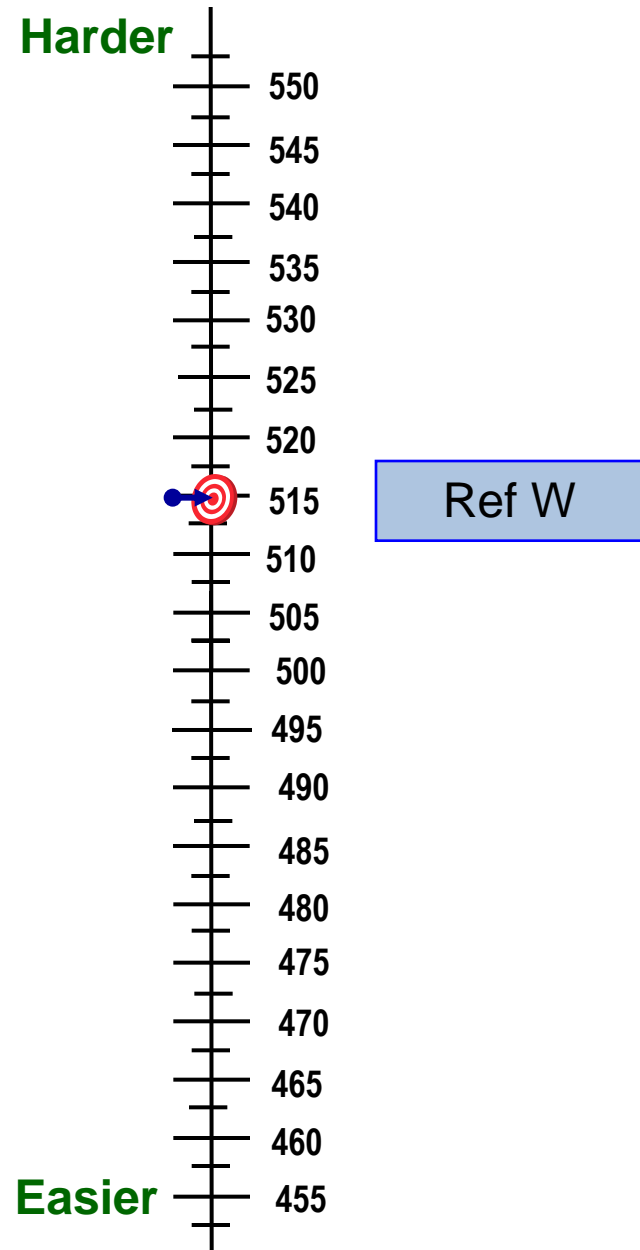
Number Facility (N): Ability to rapidly perform basic arithmetic (i.e., add, subtract, multiply, divide) and accurately manipulate numbers quickly. N does not involve understanding or organizing mathematical problems and is not a major component of mathematical/quantitative reasoning or higher mathematical skills. Also under Gs.

Levels of Interpretive Information in the WJ III

Level 1	Qualitative, informal, error analysis. observations	Useful for instructional planning Useful for behavioral observations
Level 2	Level of Development Level of Instruction	Age Equivalent Grade Equivalent
Level 3	Level of Proficiency Easy to Difficult Range	Relative Proficiency Index, Developmental/Instructional Zone
Level 4	Relative Standing in Group Rank Order	Standard Scores Percentile Ranks

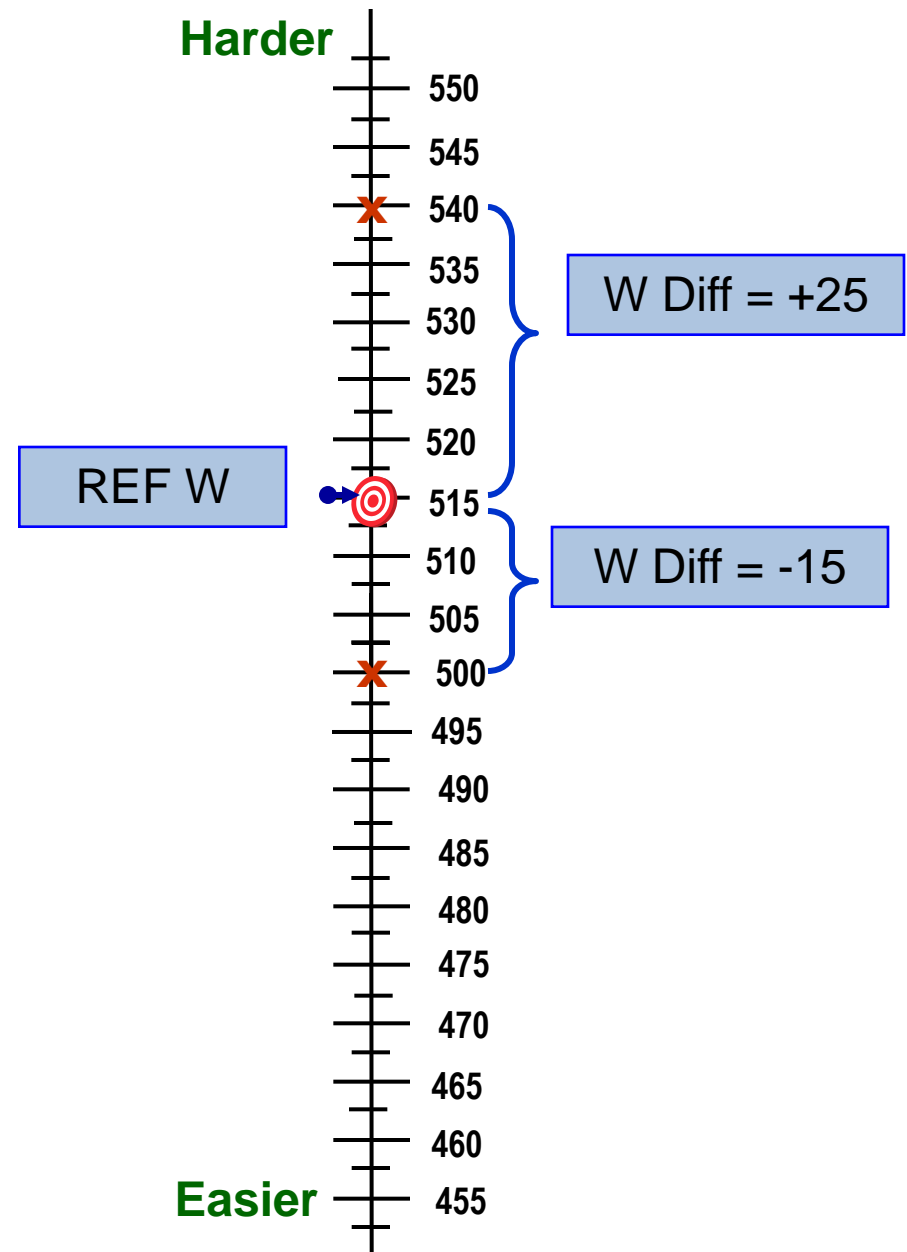
Reference W

The median performance for the peer group (age or grade) on a specific test.



W Difference (W Diff)

The difference between the Ref W and the person's performance (W ability) on the test.



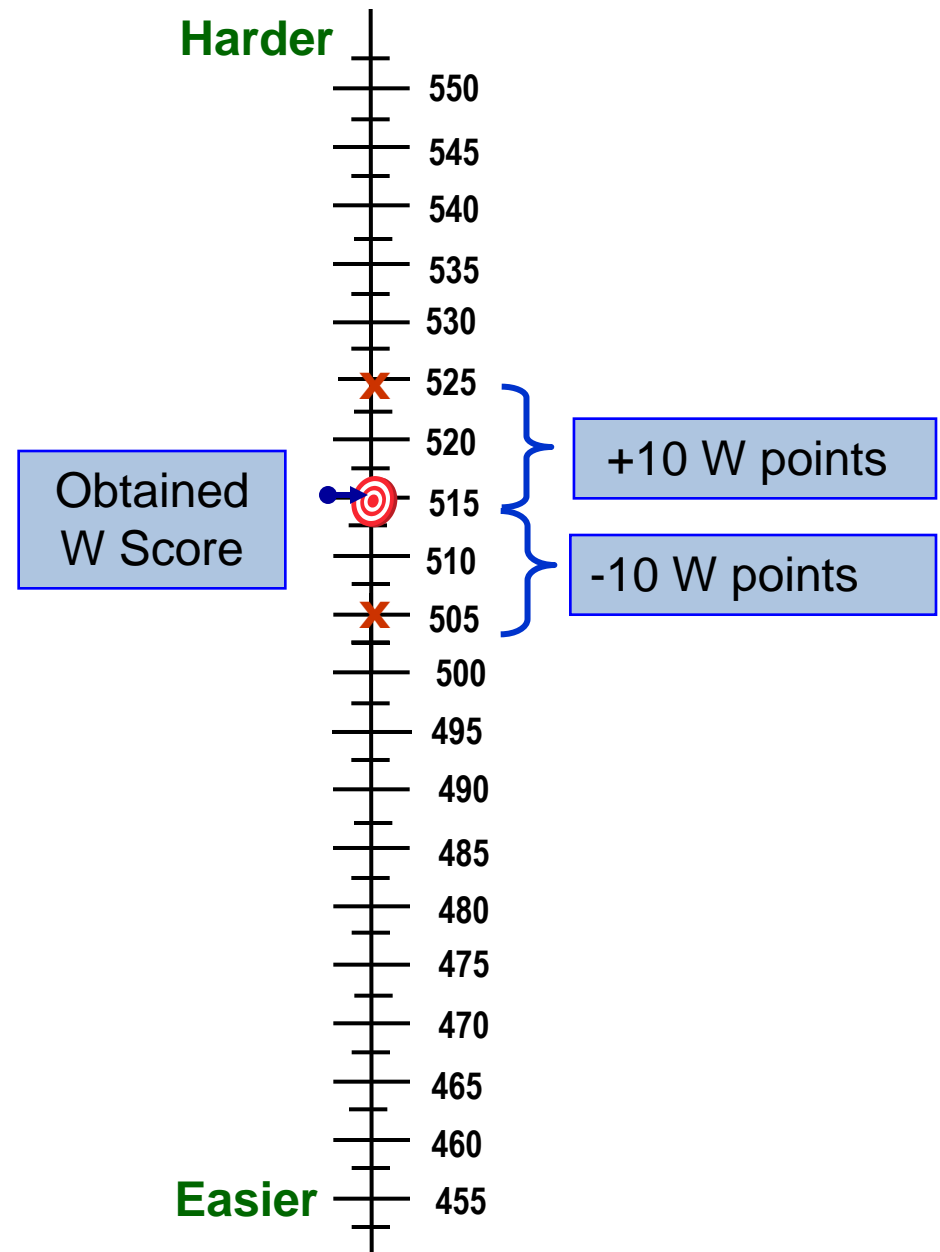
Developmental or Instructional Zones

- **Developmental zones (on COG tests)**
 - Similar to “zone of proximal development”
 - Represents the easy to difficult zone
- **Instructional zones (on ACH tests)**
 - Indicates independent, instructional, and frustration levels on a task
- **Uses W scale to create range around examinee’s obtained score (+/-10 W points)**

Developmental or Instructional Zones

Created by adding and subtracting 10 W points to/from the person's obtained W score.

+10 = Frustration Level
-10 = Independent Level



Relative Proficiency Index (RPI)

- Provides a method of operationalising differences or the **gap** between one student's score and that of most others who are at mastery level(90% proficient)
- Gives insight into how a student manages material that most others at that age/grade can manage
- Can show “closing the gap” (W score just progress).
- Based on W Diff from 20 W points below Ref W – expressed as the 90% proficiency level.

Understanding RPIs

- RPIs are expressed as a fraction with the denominator fixed at 90. The numerator indicates the examinee's proficiency on that task and can range from 0-100.
- 90/90: Examinee has average proficiency on task and is at Ref W level.

W Diff Scores & Associated RPIs

The RPI predicts how successful the person will be on a task at the level of difficulty at which average peers are 90% successful.

W Diff	RPI	W Diff	RPI
>28	100/90	-1	89/90
+28	99/90	-2	88/90
+20	99/90	-3	87/90
+15	98/90	-4	85/90
+14	98/90	-5	84/90
+13	97/90	-6	82/90
+12	97/90	-7	81/90
+11	97/90	-8	79/90
+10	96/90	-9	77/90
+9	96/90	-10	75/90
+8	96/90	-15	63/90
+7	95/90	-20	50/90
+6	95/90	-24	39/90
+5	94/90	-30	25/90
+4	93/90	-35	16/90
+3	93/90	-40	10/90
+2	92/90	-45	6/90
+1	91/90	-68	1/90
0	90/90	<68	0/90

RPI	Instructional Level
96/90 to 100/90	Independent
76/90 to 95/90	Instructional
75/90 and below	Frustration

Sam's RPI of 21/90 on the Phoneme/Grapheme cluster indicates that on similar tasks, in which the average fourth-grade student demonstrates 90% proficiency, Sam demonstrates 21% proficiency. Sam's knowledge of phoneme-grapheme correspondence and spelling patterns is very limited.

Monitoring Progress

- Norm-referenced tests like the WJ III are not designed to be used as frequent progress-monitoring tools
- Level 3 information in the WJ III helps document progress over time (closing the gap)
- W scores are best metric for documenting change
- Relative standing may not change (SS/PR) even if raw score increases

Case Study – Elise

- Year 7
- Eldest of two girls. Father: driver; mother: hair dresser
- Reading Recovery Year 1. Support Teacher Year 3. Some home tutoring (high school student)
- High School entry screening indicated problems. Support Teacher working in lowest maths group concerned – some ST help this year

Case Study – Elise

- **YARC – Supplementary Level**

SWRT: RS 44 SS 79 PR 8

Rate: SS 90 PR 25

Comp: SS 74 PR 4

Accuracy: SS 79 PR 8

Summary: Low

Mispronunciations 33%; Substitutions 150%; Refusals: 50%; Additions: 50%;
Omissions 166.7%.

Case Study – Elise

- **WJ III Achievement Tests**

Reading Fluency:	SS 82	AE 9.11	RPI 65/90
Passage Comp:	SS 66	AE 7.4	RPI 14/90
Reading Vocab:	SS 78	AE 8.9	RPI 39/90
Word Attack:	SS 88	AE 8.10	RPI 47/90
Spelling:	SS 80	AE 9.	RPI 36/90
Picture Vocab:	SS 88	AE 9.7	RPI 64/90
Understanding Directions:	SS 96	AE 11.3	RPI 86/90

Elise – Interventions?

- Text to Speech accommodations (and vice versa)
- Improve reading fluency – NIM; rereading
- Develop word attack/phonic skills (Corrective Reading; MultiLit etc)
- Build Vocabulary – morphological knowledge (maybe Morphological Spelling)
- Teach written comprehension skills – self monitoring techniques (Click & Clunk. HHH - Here; Hidden; Head. KWLS – Know; Want to know; Learned; Still need to learn.
- Reading practice – Rip Rap Books etc

Case Study 2

- See hand outs (Year 3 girl September 2015)